

FIG. I

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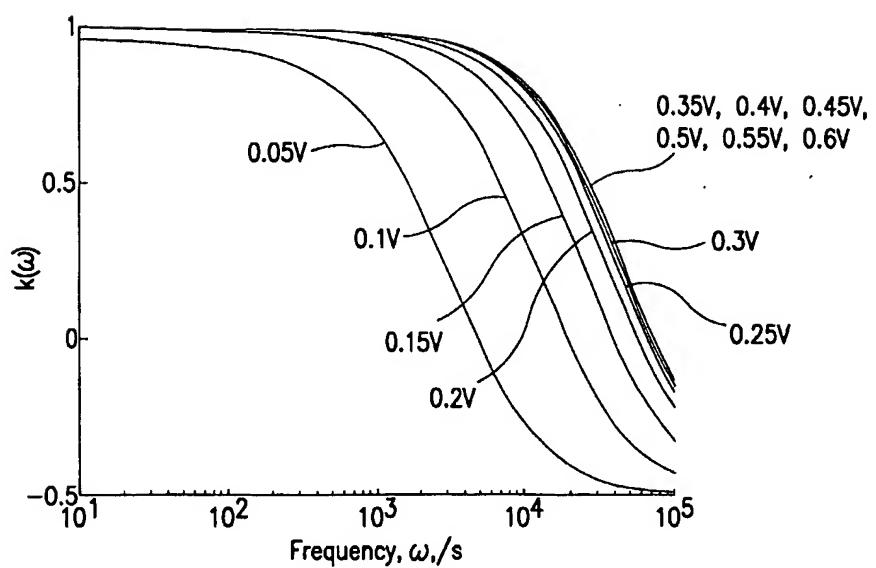


FIG. 2

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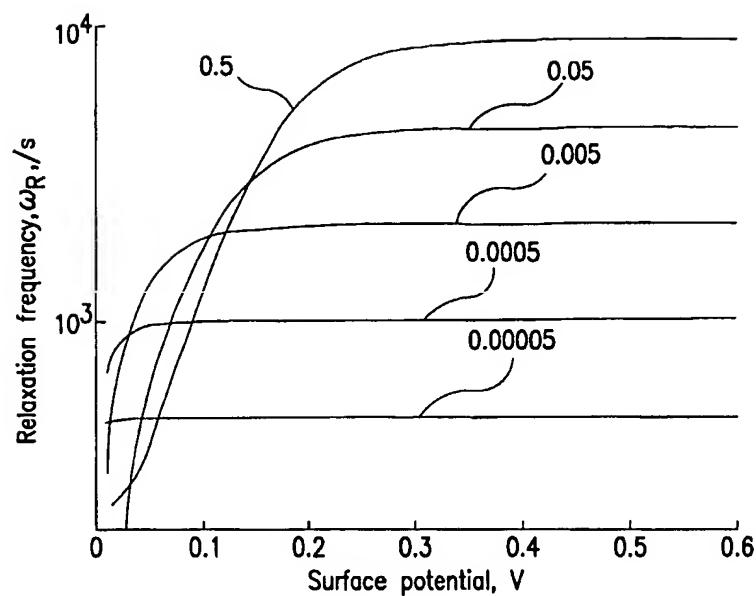


FIG. 3A

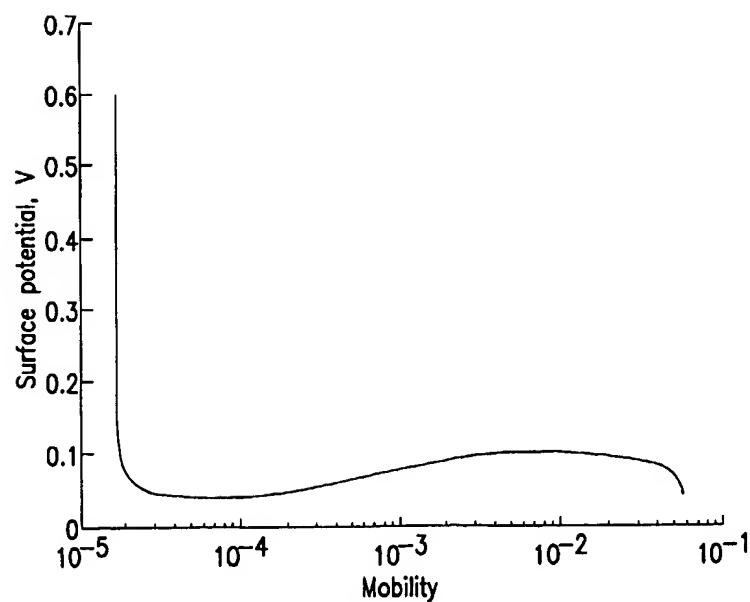


FIG. 3B

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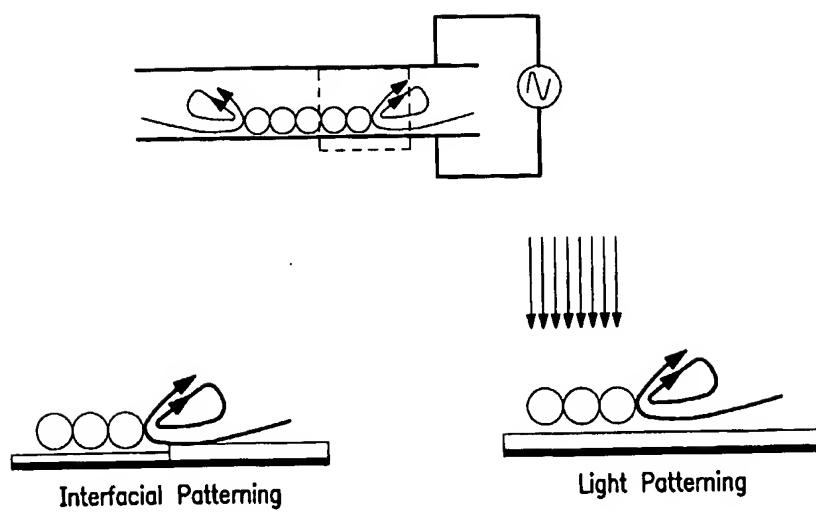
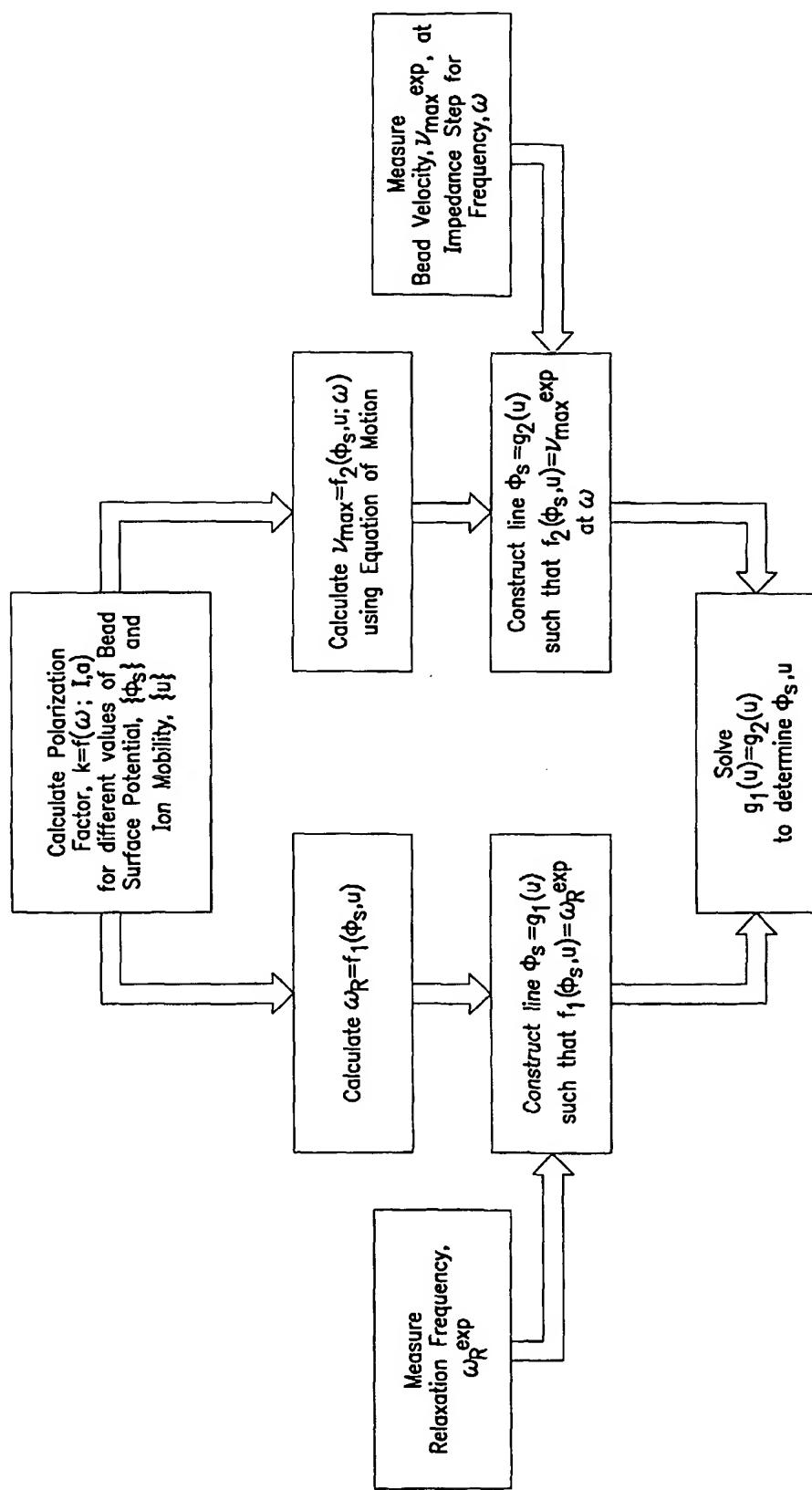


FIG. 4

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Flow Chart for Bead Characterization

**FIG. 5**

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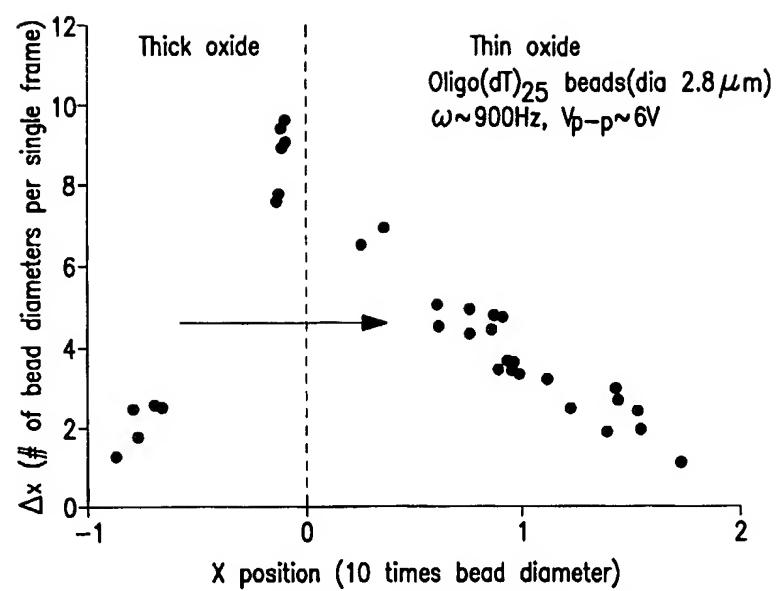


FIG. 6

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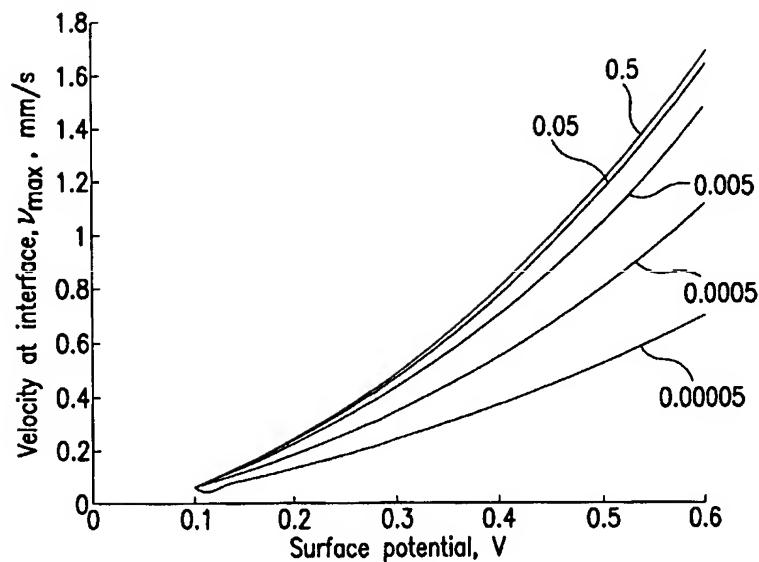


FIG. 7A

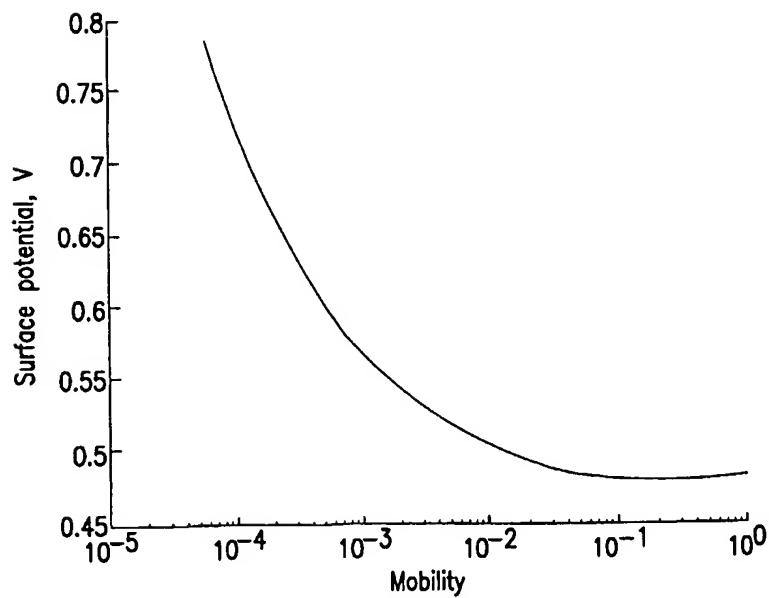


FIG. 7B

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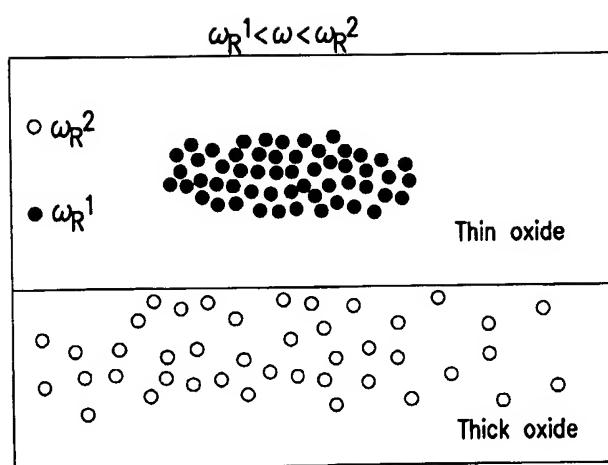
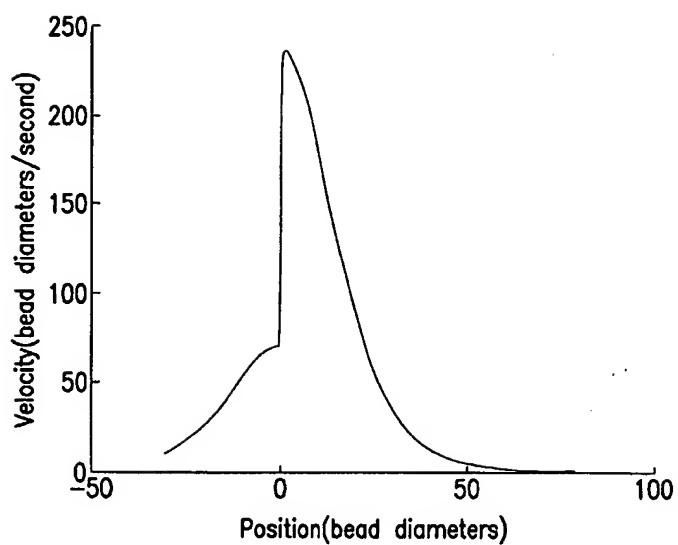


FIG. 8

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Simulated bead velocity as a function of position
for a bead of diameter $3.2 \mu\text{m}$, surface potential
200 mV and ionic strength 0.1 mM, voltage 5 V
(peak-to-peak), gap width $150 \mu\text{m}$.

FIG. 9

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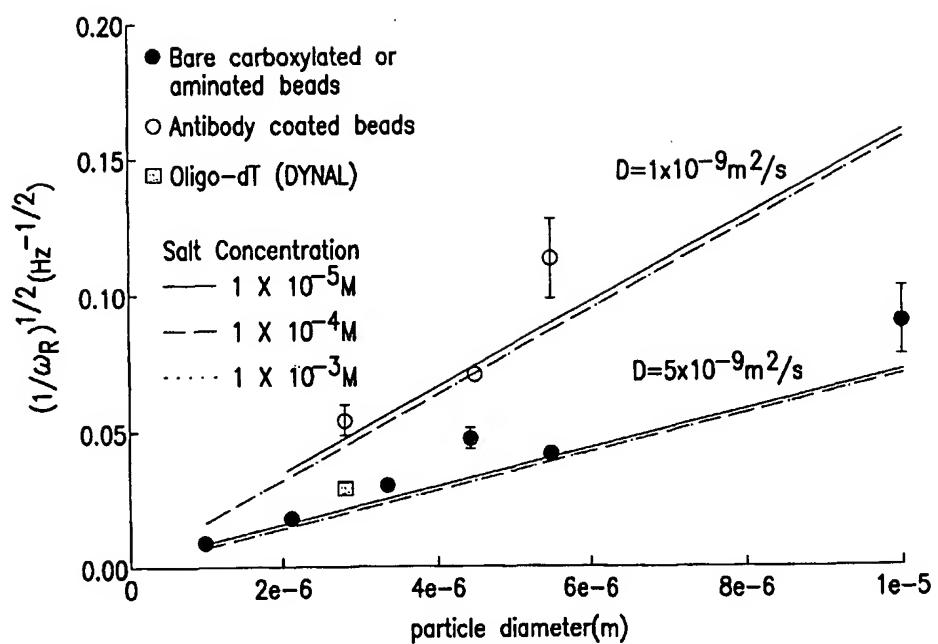


FIG. 10

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FIG. 11

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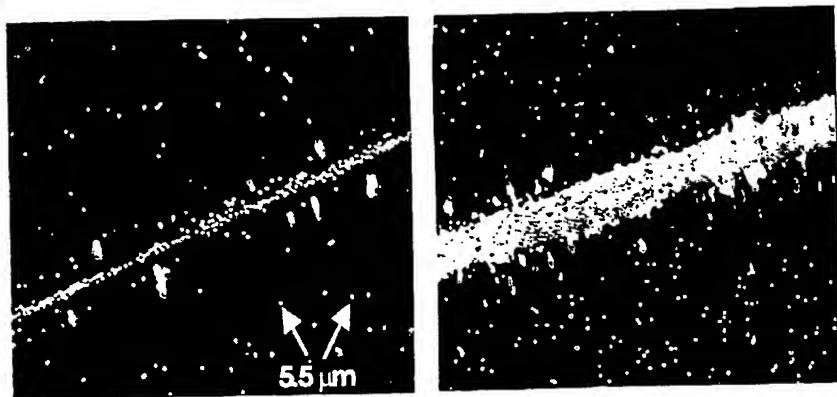


FIG. 12

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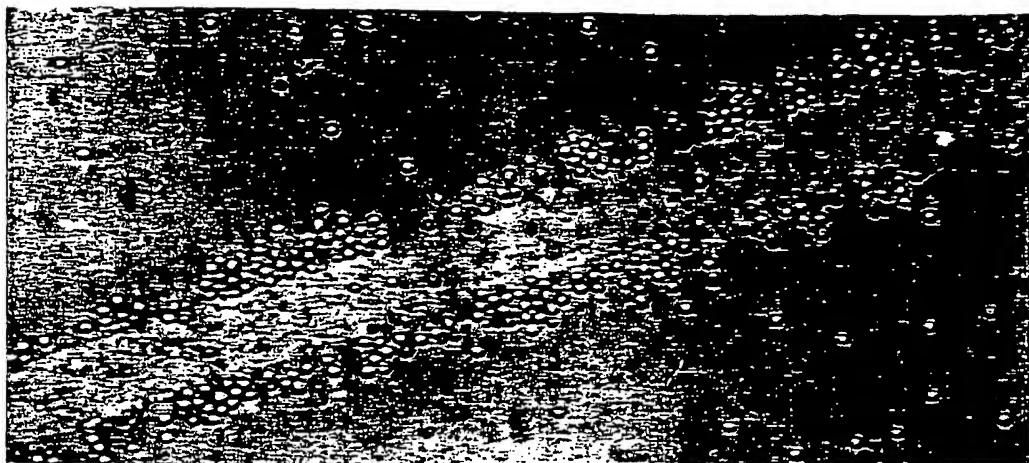


FIG. 13

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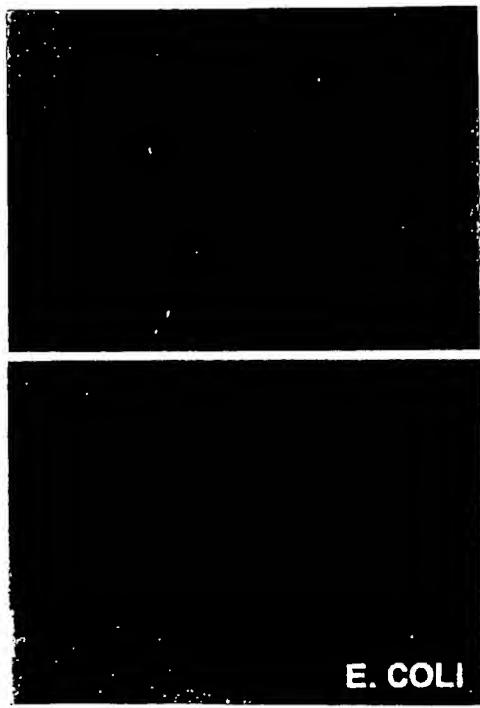
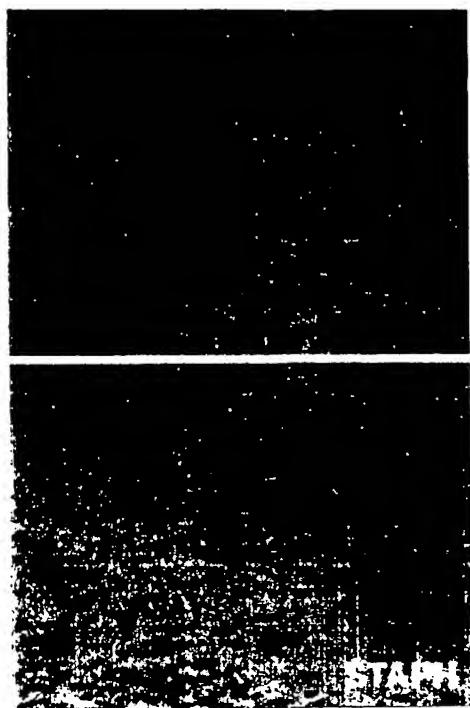


FIG. 14

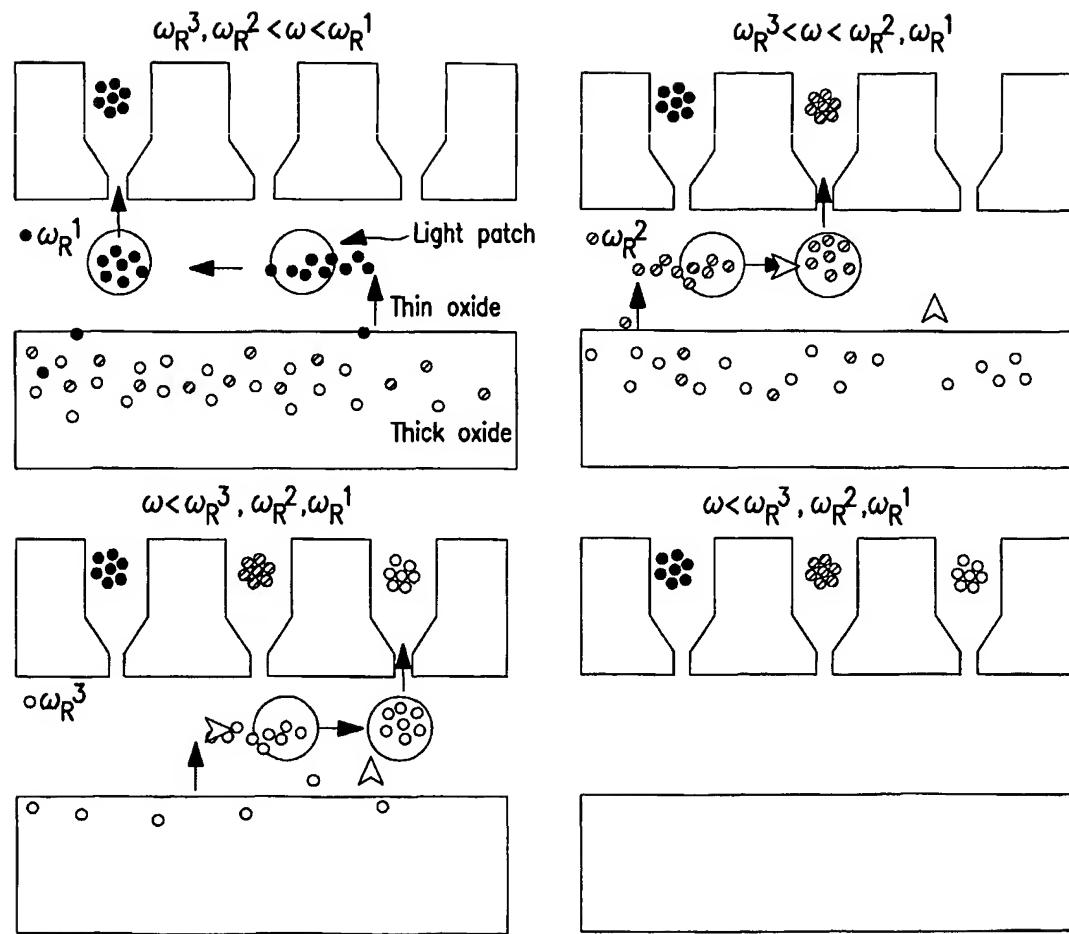


FIG. 15